

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING**

### **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/552,660A  
Source: IFW  
Date Processed by STIC: 7/3/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

## Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	SERIAL NUMBER: <u>10/552,660A</u>
<b>ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE</b>		
1 ____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor <b>after</b> creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 ____ Invalid Line Length	The rules require that a line <b>not exceed</b> 72 characters in length. This includes white spaces.	
3 ____ Misaligned Amino Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do <b>not</b> use tab codes between numbers; use <b>space characters</b> , instead.	
4 ____ Non-ASCII	The submitted file was <b>not</b> saved in ASCII(DOS) text, as <b>required</b> by the Sequence Rules. Please <b>ensure your subsequent submission is saved in ASCII text.</b>	
5 ____ Variable Length	Sequence(s) ____ contain n's or Xaa's representing more than one residue. <b>Per Sequence Rules, each n or Xaa can only represent a single residue.</b> Please present the <b>maximum</b> number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 ____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. <b>This applies to the mandatory &lt;220&gt;-&lt;223&gt; sections for Artificial or Unknown sequences.</b>	
7 ____ Skipped Sequences (OLD RULES)	Sequence(s) ____ missing. If intentional, please insert the following lines for <b>each</b> skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to <b>include</b> the skipped sequences.	
8 ____ Skipped Sequences (NEW RULES)	Sequence(s) ____ missing. If <b>intentional</b> , please insert the following lines for <b>each</b> skipped sequence. <210> sequence id number <400> sequence id number 000	
9 ____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is <b>MANDATORY</b> if n's or Xaa's are present. In <220> to <223> section, please explain location of <b>n</b> or <b>Xaa</b> , and which residue <b>n</b> or <b>Xaa</b> represents.	
10 ____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only <b>valid</b> <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is <b>required</b> when <213> response is Unknown or is Artificial Sequence. (see item 11 below)	
11 ____ Use of <220>	Sequence(s) ____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is <b>MANDATORY</b> if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules	
12 ____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 ____ Misuse of n/Xaa	<b>"n" can only represent a single <u>nucleotide</u>; "Xaa" can only represent a single <u>amino acid</u></b>	



IFWO

## RAW SEQUENCE LISTING

DATE: 07/03/2006

PATENT APPLICATION: US/10/552,660A

TIME: 11:25:30

Input Set : A:\2577-152b.ST25

Output Set: N:\CRF4\07032006\J552660A.raw

3 <110> APPLICANT: Temasek Life Sciences Laboratory  
 5 <120> TITLE OF INVENTION: DETECTION OF TRANSGENES OF GENETICALLY MODIFIED ORGANISMS  
 USING

6 PYRO LUMINESCENCE  
 8 <130> FILE REFERENCE: 2577-158  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/552,660A  
 C--> 10 <141> CURRENT FILING DATE: 2005-10-11

10 <160> NUMBER OF SEQ ID NOS: 29  
 12 <170> SOFTWARE: PatentIn version 3.3

14 &lt;210&gt; SEQ ID NO: 1

15 &lt;211&gt; LENGTH: 25

16 &lt;212&gt; TYPE: DNA

17 <213> ORGANISM: Primer

19 &lt;400&gt; SEQUENCE: 1

20 agtatccttc gcaagaccct tcctc

23 &lt;210&gt; SEQ ID NO: 2

24 &lt;211&gt; LENGTH: 25

25 &lt;212&gt; TYPE: DNA

26 <213> ORGANISM: Primer

28 &lt;400&gt; SEQUENCE: 2

29 gcattcagag aaacgtggca gtaac

33 &lt;210&gt; SEQ ID NO: 3

34 &lt;211&gt; LENGTH: 25

35 &lt;212&gt; TYPE: DNA

36 <213> ORGANISM: Primer

38 &lt;400&gt; SEQUENCE: 3

39 attgatgtga tatctccact gacgt

43 &lt;210&gt; SEQ ID NO: 4

44 &lt;211&gt; LENGTH: 25

45 &lt;212&gt; TYPE: DNA

46 <213> ORGANISM: Primer

48 &lt;400&gt; SEQUENCE: 4

49 cctctccaaa tgaaatgaac ttctt

52 &lt;210&gt; SEQ ID NO: 5

53 &lt;211&gt; LENGTH: 21

54 &lt;212&gt; TYPE: DNA

55 <213> ORGANISM: Primer

57 &lt;400&gt; SEQUENCE: 5

58 ccacgtcttc aaagcaagt g

61 &lt;210&gt; SEQ ID NO: 6

62 &lt;211&gt; LENGTH: 25

63 &lt;212&gt; TYPE: DNA

64 <213> ORGANISM: Primer

66 &lt;400&gt; SEQUENCE: 6

*pp 1-4*  
**Does Not Comply**  
**Corrected Diskette Needed**

*(global error)*  
*invalid response - see item 10*  
*on Error summary sheet*

25

25

25

25

21

## RAW SEQUENCE LISTING

DATE: 07/03/2006

PATENT APPLICATION: US/10/552,660A

TIME: 11:25:30

Input Set : A:\2577-158b.ST25

Output Set: N:\CRF4\07032006\J552660A.raw

67	tcctctccaa atgaaatgaa cttcc	25
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71	<211> LENGTH: 25	
72	<212> TYPE: DNA	
73	<213> ORGANISM: Primer	
75	<400> SEQUENCE: 7	
76	attgatgtga tatctccact gacgt	25
79	<210> SEQ ID NO: 8	
80	<211> LENGTH: 20	
81	<212> TYPE: DNA	
82	<213> ORGANISM: Primer	
84	<400> SEQUENCE: 8	
85	ttatcctagt ttgcgcgcta	20
88	<210> SEQ ID NO: 9	
89	<211> LENGTH: 25	
90	<212> TYPE: DNA	
91	<213> ORGANISM: Primer	
93	<400> SEQUENCE: 9	
94	tatctccact gacgtaaggg atgac	25
97	<210> SEQ ID NO: 10	
98	<211> LENGTH: 25	
99	<212> TYPE: DNA	
100	<213> ORGANISM: Primer	
102	<400> SEQUENCE: 10	
103	tgccctataa caccaacatg tgctt	25
106	<210> SEQ ID NO: 11	
107	<211> LENGTH: 25	
108	<212> TYPE: DNA	
109	<213> ORGANISM: Primer	
111	<400> SEQUENCE: 11	
112	cggatgggtcc ttatgcaatt ttgtc	25
115	<210> SEQ ID NO: 12	
116	<211> LENGTH: 22	
117	<212> TYPE: DNA	
118	<213> ORGANISM: Primer	
120	<400> SEQUENCE: 12	
121	ctctcggcgt agatttggtta ca	22
124	<210> SEQ ID NO: 13	
125	<211> LENGTH: 25	
126	<212> TYPE: DNA	
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129	<400> SEQUENCE: 13	
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133	<210> SEQ ID NO: 14	
134	<211> LENGTH: 22	
135	<212> TYPE: DNA	
136	<213> ORGANISM: Primer	
138	<400> SEQUENCE: 14	
139	tggacaacaa cccaaacatc aa	22

## RAW SEQUENCE LISTING

DATE: 07/03/2006

PATENT APPLICATION: US/10/552,660A

TIME: 11:25:30

Input Set : A:\2577-158b.ST25

Output Set: N:\CRF4\07032006\J552660A.raw

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142 <210> SEQ ID NO: 15
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144 <212> TYPE: DNA
145 <213> ORGANISM: Primer
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148 tggatttttg ttttaggaat tagaaa                26
151 <210> SEQ ID NO: 16
152 <211> LENGTH: 22
153 <212> TYPE: DNA
154 <213> ORGANISM: Primer
156 <400> SEQUENCE: 16
157 ggacaacaac cacaacatca ac                    22
160 <210> SEQ ID NO: 17
161 <211> LENGTH: 19
162 <212> TYPE: DNA
163 <213> ORGANISM: Primer
165 <400> SEQUENCE: 17
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170 <211> LENGTH: 19
171 <212> TYPE: DNA
172 <213> ORGANISM: Primer
174 <400> SEQUENCE: 18
175 gcacgaactc gctaagcag                        19
178 <210> SEQ ID NO: 19
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180 <212> TYPE: DNA
181 <213> ORGANISM: Primer
183 <400> SEQUENCE: 19
184 cggccccgag ttcacctt                        18
187 <210> SEQ ID NO: 20
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189 <212> TYPE: DNA
190 <213> ORGANISM: Primer
192 <400> SEQUENCE: 20
193 ctgctgggga tgatgttggt cmg                23
196 <210> SEQ ID NO: 21
197 <211> LENGTH: 25
198 <212> TYPE: DNA
199 <213> ORGANISM: Primer
201 <400> SEQUENCE: 21
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206 <211> LENGTH: 25
207 <212> TYPE: DNA
208 <213> ORGANISM: Primer
210 <400> SEQUENCE: 22
211 agatcatcaa tccactcttg tgggtg            25
214 <210> SEQ ID NO: 23

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## RAW SEQUENCE LISTING

DATE: 07/03/2006

PATENT APPLICATION: US/10/552,660A

TIME: 11:25:30

Input Set : A:\2577-158b.ST25

Output Set: N:\CRF4\07032006\J552660A.raw

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215 <211> LENGTH: 18
216 <212> TYPE: DNA
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219 <400> SEQUENCE: 23
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223 <210> SEQ ID NO: 24
224 <211> LENGTH: 19
225 <212> TYPE: DNA
226 <213> ORGANISM: Primer
228 <400> SEQUENCE: 24
229 gcactgaatt tgtgaaccc 19
232 <210> SEQ ID NO: 25
233 <211> LENGTH: 21
234 <212> TYPE: DNA
235 <213> ORGANISM: Primer
237 <400> SEQUENCE: 25
238 ctatatatttg ttttctatcg c 21
241 <210> SEQ ID NO: 26
242 <211> LENGTH: 23
243 <212> TYPE: DNA
244 <213> ORGANISM: Primer
246 <400> SEQUENCE: 26
247 catcgtcaac cactacatcg aga 23
250 <210> SEQ ID NO: 27
251 <211> LENGTH: 18
252 <212> TYPE: DNA
253 <213> ORGANISM: Primer
255 <400> SEQUENCE: 27
256 gatagcgctc ccgcagac 18
259 <210> SEQ ID NO: 28
260 <211> LENGTH: 20
261 <212> TYPE: DNA
262 <213> ORGANISM: Primer
264 <400> SEQUENCE: 28
265 actgggctcc acgctctaca 20
268 <210> SEQ ID NO: 29
269 <211> LENGTH: 21
270 <212> TYPE: DNA
271 <213> ORGANISM: Primer
273 <400> SEQUENCE: 29
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**VERIFICATION SUMMARY**

DATE: 07/03/2006

PATENT APPLICATION: US/10/552,660A

TIME: 11:25:31

Input Set : A:\2577-158b.ST25

Output Set: N:\CRF4\07032006\J552660A.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date